



Health Science Careers II

Career Cluster	Health Science
Course Code	14002
Prerequisite(s)	Health Science Careers I
Credit	1.0
Program of Study and Sequence	Foundation Course – Health Science Careers I – Health Science Careers II – Medical Terminology or Pathway Course
Student Organization	Future Health Professionals (HOSA) , Skills USA
Coordinating Work-Based Learning	Workplace tours, job shadowing, mentoring, service learning, internship
Industry Certifications	First Aid, Cardiopulmonary Resuscitation (CPR), Automated External Defibrillator (AED) , Certified Nurse Assistant (CNA).
Teacher Certification	Health Science Cluster Endorsement; *Health Science Education
Resources	State and National Future Health Professionals (HOSA) Conference (Competitive events), State and National Skills USA Conference, American Red Cross, and American Heart Association.

Course Description:

Health Science Careers II will help a student discover and develop marketable and real world skills that are essential to all health care workers. This course will cover real world skills such as infection control, disease, diagnosis, treatment, hands on skills, and documentation.

Program of Study Application

Health Science Careers II is the second cluster course in the Health Science career cluster. Completion of Health Science Careers II prepares a student to participate in Medical Terminology and/or a pathway courses in any of the Health Science pathways: Biotech Research and Development, Therapeutic Services, Health Informatics, Diagnostics or Support Services.

Course Standards

HS2 1: Identify and apply principles of infection control.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Three Strategic Thinking	HS2 1.1 Discuss the chain of infection.	Return skills demonstration, and guest speakers (healthcare professionals).
Two Skill/Concept	HS2 1.2 Understand and apply the prevention of pathogen transmission.	Return skills demonstration, and invite guest speakers, simulation lab.

Notes

HS2 2: Discuss disease, diagnosis, and treatment.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Three Strategic Thinking	HS2 2.1 Discuss disease concept with reference to Centers for Disease Control and National Institute of Health.	Simulation lab, case scenarios, and return skills demonstration.
Three Strategic Thinking	HS2 2.2 Evaluate and assess patient/residents' health.	Simulation lab, case scenarios, and return skills demonstration.
One Recall	HS2 2.3 Recognize current treatment modalities including but not limited to obesity, heart disease, cancer, and respiratory.	Simulation lab, case scenarios for acute and chronic patient/resident conditions, and return skills demonstration.

Notes

HS2 3: Demonstrate hands-on patient/residents' care skills.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	HS2 3.1 Apply procedures for monitoring, measuring, and recording vital signs.	Simulation lab, return skills demonstrations, certifications.
Two Skill/Concept	HS2 3.2 Apply First Aid/Cardiopulmonary Resuscitation (CPR), and Automated External Defibrillator (AED).	Simulation lab, certifications, and return skills demonstration, workplace tours, invite guest speakers.
Two Skill/Concept	HS2 3.3 Demonstrate knowledge of direct patient/residents' care skills.	Simulation lab, case scenarios, and return skills demonstration, student led presentations, internship, job shadowing.

Notes

HS2 4: Explain documentation standards and findings.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Three Strategic Thinking	HS2 4.1 Demonstrate use of technological documentation standards by entering data on the electronic medical record or paper.	Practice charting graphs, tables, diagrams on paper or Electronic Medical Record (EMR).
Three Strategic Thinking	HS2 4.2 Differentiate between subjective and objective healthcare data to communicate patient/residents' status.	Patient assessments and interviews, case scenarios, simulation lab

Notes**HS2 5: Utilize medical mathematics skills needed in healthcare work**

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	HS5.1 Apply mathematical computations related to healthcare procedures	
Three Strategic Thinking	HS2 5.2 Analyze diagrams, charts, graphs and tables to interpret healthcare data	

Notes